

# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

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सं. 29] नई दिल्ली, शनिवार, जुलाई 21, 1979 (आषाढ़ 30, 1901)  
 No. 29] NEW DELHI, SATURDAY, JULY 21, 1979 (ASADHA 30, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

#### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बंधित अधिसूचनाएँ और नोटिस  
 Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
 PATENTS AND DESIGNS  
 Calcutta, the 21st July 1979  
 CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 19th May 1979 under the headings "PATENTS SEALED" for 143728 read 143778.

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

14th June, 1979

615/Cal/79. C. P. Nazir. Improved process for the construction of tunnel in soft-ground.

616/Cal/79. W. W. Martinmaas. Quickly adjustable ratchet wrench.

617/Cal/79 Amerace Corporation. Flexible microporous rubber base articles and process for producing these.

618/Cal/79 Veb Polygraph Leipzig. Improvements in or relating to a device for separating and feeding paper and like flexible sheets.

15th June, 1979

619/Cal/79 Wean United Inc. Method and apparatus for cooling and handling extruded workpieces

620/Cal/79. Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft. Air-compressing direct-injection internal combustion engine.

621/Cal/79. The Post Office. British incorporated. A cable terminating and testing unit suitable for use in a telecommunications exchange. [Divisional date June 30, 1976]

16th June, 1979

622 Cal 79 Orissa Cement Limited. Pre-cast reinforced concrete plank for roof structure.

623/Cal/79 Outokumpu OY. Process for the selective froth-flotation of sulfidic, oxidic and salt-type minerals.

624/Cal/79. F. L. Smidth & Co A/S. Grinding tube mill.

625/Cal/79. Siemens Aktiengesellschaft. Tool suitable for cutting the cylindrical outer surface of an elongate cylindrical member.

18th June, 1979

626/Cal/79. Dr. Werner Freyberg Chemische Fabrik Delita Nachf. Method and apparatus for fumigating

19th June, 1979

627/Cal/79. Diamond Shamrock Corporation. Process for preparation of anion exchange resins with high density by bromination of crosslinked vinyltoluene copolymers

628/Cal 79. Orissa Cement Limited. Method for the manufacture of silica refractory shaped masses.

629 Cal 79. Orissa Cement Limited. Method for the manufacture of silica refractory shaped masses

630 Cal/79. Orissa Cement Limited. Method for the manufacture of silica refractory shaped masses.

631/Cal/79. American Cyanamid Company. Melt-spinning acrylonitrile polymer fiber from low molecular weight polymer.

20th June, 1979

632/Cal/79. Bunker Ramo Corporation. Electrical connector.

633/Cal/79. Schweizerische Isola-Werke. Thermosetting heat bondable lacquer.

634/Cal/79. American Mill Incorporated. Process for recovering gold from low grade ores.

635/Cal/79. Hitachi, Ltd. Field effect resistor device and electronic circuit using the same.

636/Cal/79. Somnath Roy. Machine for effecting withering of tea leaves.

637/Cal/79. Somnath Roy. A preconditioning device for tea leaves.

APPLICATION FOR PATENTS FILED AT THE  
(DELHI BRANCH)

30th May, 1979

385/Del/79. Societe Nationale Industrielle Aerospatiale. "Helicopter Rotor".

386/Del/79. The General Tire & Rubber Co. "Apparatus and method for Handling Uncured Tires."

387/Del/79. USS Engineers and Consultants, Inc., "Rotary Valve".

31st May, 1979

388/Del/79. Jean Guigan. "Process and Device for Dispensing a Predetermined amount of a liquid substance into a vessel".

389/Del/79. Allegheny Ludlum Industries, Inc., "Method of Conditioning steel strip prior to the working thereof". [Divisional date 19th October, 1976.]

1st June, 1979

390/Del/79. Ravinder Singh. "A Wagon Tippler".

391/Del/79. New Metal Foundries. "A Carrier for Transporting Granular and Flaky Materials."

392/Del/79. New Metal Foundries. "A Carrier for Transporting Particulate Materials."

393/Del/79. A/S. Norcem. "Cement Composites".

4th June, 1979

394/Del/79. Bakhtawar Lal Sood. "Kerosene Dhobi Press".

395/Del/79. Bakhtawar Lal Sood. "Wet Alarm Baby Blanket".

396/Del/79. Bakhtawar Lal Sood. "Magnet—Light".

397/Del/79. Bakhtawar Lal Sood. "Electro Time Switch".

398/Del/79. Council of Scientific & Industrial Research, "Improved Fluidized Bed Boiler".

5th June 1979

399/Del/79. Council of Scientific & Industrial Research, "An Improved Process for the separation of n-Paraffins Hydrocarbons from Petroleum Fractions".

400/Del/79. Council of Scientific & Industrial Research, "A process for Purification and Enrichment of Low Grade Molybdenite Concentrates".

401/Del/79. Council of Scientific & Industrial Research, "An Improved process for Purification and Enrichment of Low Grade Molybdenite Concentrates".

402/Del/79. The Delhi Cloth & General Mills Co. Ltd., "Process for Manufacture of Acid Resistant Bricks and Cementing Material".

403/Del/79. Daniel Sylvie Aron and Michele Gabrielle Roberte Griesemann. "Process and Apparatus for Ophthalmic Surgery".

404/Del/79. Corning Glass Works, "Fused Refractory".

405/Del/79. Bayer Aktiengesellschaft, "Process for the Preparation of Quinizarin".

406/Del/79. Lucas Industries Ltd., "Disc Brakes" (19th June 1978).

6th June, 1979

407/Del/79. Ruhrcemie Aktiengesellschaft, "Sluicing of Residues from the pressure system of a pressure Gasification Plant."

408/Del/79. Union Carbide Corporation, "Rapid Pressure Swing Adsorption process with high enrichment factor".

409/Del/79. Union Carbide Corporation, "Multiple Bed Rapid pressure swing Adsorption for Oxygen".

410/Del/79. Dr. Jogindra Lal Gupta, "Process for the Preparation of an antibacterial cream for Topical Application in the Treatment of Burns".

411/Del/79. Council of Scientific & Industrial Research, "Synthesis of a new insecticide belonging to the synthetic pyrothroid group".

412/Del/79. Francis H. Harrington, "Lighting System".

APPLICATION FOR PATENTS FILED AT THE  
(MADRAS BRANCH)

11th June, 1979

100/Mas/79. M.A.B. Narayanan. A Twin Turbine Vortex Power Recovery Device.

14th June, 1979

101/Mas/79. M/s. Kontiki Chemicals & Pharmaceuticals Private Limited. Process for the Production of Coconut Shell Derivatives. [Divisional date March 17, 1978].

102/Mas/79. Uma Manchanda. A Cleaning Apparatus.

16th June, 1979

103/Mas/77. M. Venkatachalam. Collating Machine.

ALTERATION OF DATE

146594.

} Ante-dated 20th April, 1976.

1306/Cal/78.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanied by

the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 83A. 146579.

Int. Cl.-A231 1/31.

**A PROCESS FOR PREPARING FOOD PRODUCTS SIMULATING THE TEXTURE OF MEAT.**

*Applicant* : ERNEST SCRAGG & SONS LIMITED, OF P.O. BOX 16, SUNDERLAND STREET, MACCLESFIELD, CHESHIRE, ENGLAND.

*Inventors* : WALTER PARKER AND GEORGE WATERHOUSE.

Application No. 1310/Cal/77 filed August 22, 1977.

Convention date September 3, 1976/(36524/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings

Process for preparing protein food products simulating the texture of meat, comprising treating in a known manner such as herein described protein source material to form an intermediate product in the form of a film, and passing the film between a film support member and a rotating forging roller die having its periphery formed with alternate circumferential grooves and ridges.

CLASS 20A. 146580.

Int. Cl.-B42f 21/02.

**AN INDEXING DEVICE.**

*Applicant & Inventor* : SHANTILAL PRANSHANKER JOSHI (2) KIRIT KUMAR SHANTILAL JOSHI AND (3) VIKAS SHANTILAL JOSHI, ALL C/O. M/S. ESPEE & COMPANY, 289, N.S.C. BOSE ROAD, MADRAS-600 001, TAMIL NADU, INDIA.

Application No. 175/Mas/76 filed September 7, 1976.

Complete Specification left 24th September, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch

3 Claims

An indexing device comprising a plurality of transparent pockets bound together (either detachably or non-detachably) between covers, in book form; at least one data-card accommodated in each of the pockets, the mouth of each pocket being partly or wholly trimmed for facilitating a manual grip on a data-card or data-cards during removal from, the pocket, and the outer lateral edge of each pocket being extended beyond the edge of the data-card or data-cards accommodated therein, the said extended edge being provided with indexing means.

CLASS 48A. 146581.

Int. Cl.-B65g 25/00.

**PULLING EYE ASSEMBLY FOR ATTACHMENT TO A TERMINAL END OF A COMMUNICATION CABLE.**

*Applicant* : RAND INDUSTRIES LTD., AT SUITE 203-20701 NO. 10 ROAD LANGLEY, B.C., CANADA AND PERUSSE HOLDINGS LTD., AT 4029 256TH STREET, ALDERGROVE, BRITISH COLUMBIA, CANADA.

*Inventors* : JACKSON ANDREW SMITH AND EDGAR DUANE PERUSSE.

Application No. 1204/Cal/76 filed July 7, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**4 Claims**

A pulling eye assembly for attachment to a terminal end of a communication cable, said assembly comprising an elongated metal sleeve open at one end to accommodate said cable and closed at the other end; a block member welded in an constituting the closed end of the sleeve; a spigot, having a plurality of barbs spaced throughout its length, secured to said block and positioned concentrically within said sleeve; and a pulling eye interconnected with said spigot and positioned outwardly of the closed end of the sleeve, the said sleeve being adapted to be circumferentially crimped between said barbs when the spigot has been driven into the end of said cable, said block being concentrically drilled and threaded to threadably receive one end of said spigot.

CLASS 107H. 146582.

Int. Cl.-F02m 59/38.

**FLUID PUMP.**

*Applicant* : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, ENGLAND.

*Inventors* : RONALD PHILLIPS AND JAMES CAMPBELL MELVILLE.

Application No. 1450/Cal/76 filed August 10, 1976.

Convention date June 22, 1976/(25824/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**12 Claims**

A positive displacement fluid pump comprising a housing defining a bore, an end wall forming part of the housing and closing one end of said bore, a detachable and closure forming an end wall closing the other end of the bore, a pump assembly located in said bore and including a drive shaft, an aperture in one end wall through which the drive shaft extends the pump assembly further comprising a pair of outer side wall portions and a central side wall portion with the central side wall portion being disposed in axial spaced relationship between the outer side wall portions, in said bore, resilient means acting between one end wall and the adjacent side wall portion and acting to bias the side wall portions axially so that the other side wall portion engages with the other end wall, bearings carried by the outer side wall portions respectively and acting to support said shaft for rotation, said pump assembly also including a pair of pump stages each comprising a fixed outer annular member, an inner annular member and a gear wheel, the outer annular member of each pump unit being located between and held in engagement with the central side wall portion and the respective outer side wall portion, teeth formed on the inner periphery of said inner annular member for engagement with the teeth of said gear wheel whereby as the gear wheel rotates in use the inner annular member will also rotate, means coupling said gear wheel to the shaft so that the gear wheel will be rotated thereby, a fluid inlet to the pump and a fluid inlet and fluid outlet for each pump stage, passage means connecting the pump fluid inlet to the inlet of one of the pump stages, further passage means connecting the outlet of said one pump stage to the inlet of the other pump stage, a fluid outlet from the pump, still further passage means connecting the outlet of said other pump stage with said pump fluid outlet, and valve means responsive to the inlet and outlet pressures of said other pump stage and operable to maintain the pressure drop between the inlet and outlet of said other pump stage substantially zero whereby the rate of fluid flow through the pump fluid outlet will be proportional to the speed of rotation of the shaft.

CLASS 107 G & H. 146583.

Int. Cl.-F02m 39/00.

**PUMP MOTOR ASSEMBLY.**

*Applicant* : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, ENGLAND.

*Inventor* : ROBERT BRIAN SEAMAN.

Application No. 1451/Cal/76 filed August 10, 1976.

Convention date June 22, 1976/(25825/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims

A pump motor assembly of the kind specified comprising a support casing adapted to be mounted in use on an engine structure, said support casing forming an end closure for the motor casing of said first motor and also mounting a bearing for the rotor shaft of the motor, said fuel pump being mounted on one side of the support casing with said second motor being mounted on the opposite side of the support casing, a coupling located within the support casing and coupling the shafts of the fuel pump and the second motor, and an electrical contact unit mounted on the casing and to which the various electrical power cables of the motors are connected.

CLASS 107G & H.

146584.

Int. Cl. F02m 59/38.

#### AIR HEATER SYSTEM.

Applicant : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, ENGLAND.

Inventors : PETER CHARLES HODGE AND WILLIAM STANLEY MAY.

Application No. 1452/Cal/76 filed August 10, 1976.

Convention date June 22, 1976/(25823/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 19 Claims

An air heater system for a compression ignition engine comprising in combination a combustion chamber including a burner through which fuel is supplied to the combustion chamber, a two stage fuel pump for supplying fuel to the burner, each stage of the pump being of the fixed displacement type and having an inlet and an outlet, passage means through which the outlet of the second stage is connected to the burner and further passage means through which the input of the second stage is connected to the outlet of the first stage the input of which is, in use connected to a source of fuel, the rate of fuel delivery of said pump being dependent upon the speed at which the pump is driven, first motor means for driving said pump, valve means including a valve element responsive to the inlet and outlet pressures of the second stage of the pump for controlling the size of a spill port connected to said further passage means, said valve means being operable in use to spill fuel through said spill port so that there is substantially no pressure drop across the second stage of the pump, said first stage of the pump being arranged to pump more fuel than the second stage and control means for controlling the speed of operation of the pump, said control means receiving a signal representative of the temperature of the air heated by the combustion of fuel in the combustion chamber, and a reference signal representing the desired temperature of the air, the control means acting to control the speed of the motor and therefore the rate of fuel supplied to the burner so as to maintain the actual air temperature at the desired value.

CLASS 53E.

146585.

Int. Cl. B62k 11/00.

#### A POWER DRIVEN TWO WHEELER VEHICLE

Applicant : SCOOTERS INDIA LIMITED, OF POST BAG NO. 1, SAROJINI NAGAR P.O., LUCKNOW-226008 INDIA.

Inventor : MR. GIRISH KUMAR SRIVASTAVA.

Application No. 1582/Cal 76 filed August 28, 1976

Complete specification left September 9, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 5 Claims

A moped having a front and rear wheel characterized in that said tyres having a size of  $3.00 \times 10$  or  $3.50 \times 10$  and further characterized in a tubular frame for supporting the sub assemblies of said moped consisting of a single piece and a substantially horizontal foot rest portion extending at either ends into inclined upward members, the angle of inclination of the rear upward member being greater than that of the front member.

CLASS 68E<sub>1</sub> & 70C<sub>1</sub>.

146586.

Int. Cl. B01k 1/00, B44c 1/04.

#### APPARATUS FOR ELECTROLYTICALLY COLOURING ANODIZED ALUMINIUM.

Applicant : EMPRES A NACIONAL DE ALUMINIO S.A., OF GENERAL SANJURJO 4, MADRAS 3, SPAIN.

Inventor : DIONISIO RODRIGUEZ MARTINEZ.

Application No. 1828/Cal/76 filed October 5, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

Apparatus for electrolytically colouring anodized aluminium, comprising :

a power transformer having a primary winding for connection with a source of alternating current and having a secondary winding which has one phase connected directly to the charge and its other phase connected to the charge through two anti-parallel thyristors;

first trigger means connected to one of said thyristors, said first trigger means being operative to trigger said one thyristor in accordance with a pre-determined program;

second trigger means connected to the other thyristor and including means for detecting unbalance in the average values of the voltages applied to the charge in consecutive half cycles of the alternating current applied to the charge, whereby said second trigger means are operative to trigger said other thyristor in such a manner as to eliminate such unbalance.

CLASS 158E<sub>1</sub>.

146587.

Int. Cl. B61f 5/02.

#### IMPROVEMENTS IN BOGIE TRUCKS.

Applicant : GLOUCESTER RAILWAY CARRIAGE & WAGON COMPANY LIMITED, OF WINGLOS HOUSE, BRISTOL ROAD, GLOUCESTER, ENGLAND.

Inventor : FREDERICK WILLIAM SINCLAIR.

Application No. 2048/Cal/76 filed November 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

A bogie truck for a rail vehicle comprising a pair of rigid side frames, front and rear axles extending between the side frames, front and rear abutments on each side frame, a transverse member extending between the side frames and having a truck or carriage pivot mounting intermediate its ends, front and rear abutments being provided at each end of the transverse member, which abutments are opposed respectively to the front and rear abutments on the side frames so that each two opposed abutments form a spaced pair of abutments, blocks of resilient material interposed between and secured to the abutments of each pair, each block, when viewed in plan, having two portions oppositely inclined to the longitudinal vertical centre plane of the associated side frame, the angle between the two portions of each block being  $106 \pm 30$  and each block being inclined downwardly from its abutment on the transverse member to its abutment on the side frame, the transverse member, which may be of fabricated construction, providing the sole connection, apart from the axles, between the side frames whereby the side frames are resiliently connected together in such manner as to control relative movements between the side frames within predetermined limits.

mined limits and vertical and lateral loads and traction and braking forces apply combined shear and compression loads to the resilient blocks.

CLASS 65A<sub>2</sub> & A<sub>4</sub>.

146588.

Int. Cl.-A02k 47/00.

## MULTIPHASE FULL-WAVE RECTIFIER ASSEMBLY.

*Applicant* : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, ENGLAND.

*Inventor* : ALAN RAYMOND MOORE.

Application No. 2068/Cal/76 filed November 17, 1976.

Convention date December 20, 1975/(52464/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 18 Claims

A multiphase full-wave rectifier assembly comprising a first plate, a first set of diodes carried by the first plate, a second plate disposed substantially parallel to the first plate and having holes therein, a terminal of each diode of the first set extending through a respective one of the holes in the second plate, a second set of diodes carried by the second plate, an electrical connector electrically interconnecting said terminal of each diode of the first set with a respective diode of the second set and being adapted for connection to a respective phase to be rectified, a support structure including an electrically insulating body having recesses therein, a third set of diodes disposed in the recesses respectively, the recesses being shaped so as to hold the diodes of the third set in predetermined relative positions, each diode of the third set having a pair of terminals one of which is electrically connected with a respective one of the electrical connectors, and a common electrical connector electrically connecting together the other terminals of the diodes of the third set.

CLASS 24D<sub>4</sub>.

146589.

Int. Cl.-B60t 7/00.

## BRAKE ACTUATING MECHANISM WITH A QUICK RELEASEABLE SPRING LOADED MEANS, ESPECIALLY FOR USE IN VEHICLE BRAKES ACTUATED BY FLUID UNDER PRESSURE.

*Applicant* : GRAUBREMSE GMBH, OF EPPELHEIMER STR. 76, 6900 HEIDELBERG, WEST GERMANY.

*Inventor* : ROLAND BLANZ.

Application No. 337/Cal/77 filed March 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

Brake actuating mechanism with a quick releasable spring loaded means, especially for use in vehicle brakes actuated by fluid under pressure, comprising a piston, actuated by that fluid under pressure and that spring respectively, and a piston rod, being connected to the piston by a locking mechanism including balls, and a release lever, characterized in that there are situated surfaces (25, 26) at the peripheral area of the release lever, (12), one behind the other and arranged normal to the direction of the force of the spring (3), these surfaces being in contact to the balls (21) of the locking mechanism.

CLASS 187D<sub>4</sub>.

146590.

Int. Cl.-H04b 3/00.

## SYSTEM FOR TRANSMISSION OF DIGITAL INFORMATION.

*Applicant* : HASI FR AG, OF BELPSTRASSI 23, 3000 BERN 14, SWITZERLAND.

*Inventors* : DR. ING. ETH EMANUFI HAFNER AND DIPL. ING. BERTIL FORSS.

Application No. 398/Cal/77 filed March 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

System for the transmission of digital information for connecting a plurality of subscriber stations to the lines of a PCM-network for establishing an extensive completely digital communication network which exclusively comprises centrally controlled exchanges and digital PCM-multiplex-lines, groups of subscriber stations each being connected by a network connection circuit to one PCM-multiplex-line of the PCM-network, wherein all subscriber stations (11, 12) of a group are serially connected to at least one common digital loop (5, 6) by means of subscriber connection (31, 32) so that each subscriber connection circuit (31, 32) is connected to the end of one section and the beginning of another section of the same digital loop (5, 6) and wherein at least one network connection circuit (15, 16) is connected to at least one PCM-multiplex-line (1, 1' to 4, 4') and the beginning of the first section and the end of the last section of one digital loop (5, 6).

CLASS 40H &amp; 88F.

146591.

Int. Cl.-B01d 53/00.

PROCESS FOR RECOVERING CO<sub>2</sub>, HS AND OTHER GASEOUS IMPURITIES FROM GASEOUS MIXTURES.

*Applicant & Inventors* : GIUSEPPE GIAMMARCO AND PAOLO GIAMMARCO, BOTH OF SAN MARCO 3242, PALAZZO MOROLIN, VENICE, ITALY.

Application No. 1562/Cal/77 filed October 31, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 22 Claims

A process for recovering CO<sub>2</sub> and/or HS, from a gaseous mixture obtained by known methods in which combustible substances are reacted at elevated temperature with steam, to produce hydrogen comprising an absorption step in which said gaseous mixture is brought into contact in an absorption column with an aqueous alkaline absorbent solution, and a regeneration step in which said impurities are desorbed by treatment in a regeneration column with steam mainly obtained from a reboiler in which heat is yielded by the gaseous mixture to be purified, and wherein the steam used in said methods is obtained from boilers fed with waters previously degassed and purified by treatment with steam in suitable columns, characterized in that :

(a) the degassing and the purification of the boiler feed waters are carried out in apparatus (columns) arranged (with respect to the gaseous circuit) in series with the regeneration column of the apparatus for removing CO<sub>2</sub> and/or HS;

(b) the steam necessary for the said purification of the waters is delivered, at a pressure at least equal to that in said regeneration column, to the first device (column) of the series and subsequently to the others and then to the regeneration column, thus utilizing said steam several times.

CLASS 64B<sub>1</sub> & 160.

146592.

Int. Cl.-H21f 23/00, H01b 1/00.

## WIRE INSERTION TOOL.

*Applicant* : BUNKER RAMO CORPORATION, OF 900 COMMERCE DRIVE, OAK BROOK, ILLINOIS, UNITED STATES OF AMERICA.

*Inventors* : HIROYUKI FUKUSHIMA, MINORU YOSHIDA AND HIROMASA INOUE.

Application No. 600/Cal/77 filed April 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

A wire insertion tool for inserting a plurality of wires in respective non-deforming wire-piercing terminals retained in a terminal retaining body, said tool comprising : a base; terminal retaining body support means connected to said base

for releasably supporting a terminal retaining body in a fixed position on said base; wire holding means connected to said base for releasably holding a plurality of wires adjacent a terminal retaining body supported by said support means; first and second releasing handles cooperating to release the terminal retaining body from said support means and the plurality of wires from said holding means; wire guiding means for guiding each of the plurality of wires toward one of a plurality of terminals in the terminal retaining body; first and second insertion handles, each of said handles having a first end pivotally connected to said base; a plurality of wire insertion means for engaging respective ones of the plurality of wires; said wire insertion means being mounted on at least one of said insertion handles at a point remote from said first end, such that relative movement of said insertion handles in a first direction effects a corresponding movement of said insertion means and insertion of each of the wires in a respective terminal; and cutting means adjacent said guiding means and cooperating with said insertion means for cutting each of the wires at a predetermined point.

CLASS 171.

146593.

Int. Cl.-G02b 3/00.

## PROCESS FOR THE PREPARATION OF SURFACE-TREATED SOFT CONTACT LENSES.

*Applicant* : DIAMOND SHAMROCK CORPORATION, OF 1100 SUPERIOR AVENUE, CLEVELAND, OHIO, UNITED STATES OF AMERICA.

*Inventors* : CHARLES LEWIS SIEGLAFF, CHARLES JOSEPH HORA AND JOSEPH PETER TIEHENBACH.

Application No. 856/Cal/77 filed June 9, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings

A process for producing a soft contact lens resistant to the diffusion and accumulation therein of substances which will promote its clouding and discoloration in use which comprises the steps of immersing a soft contact lens acrylic ester hydrogel in a modifying component containing at least one functional group as herein before defined which is reactive with the polar functional group as hereinbefore defined in said hydrogel, maintaining the soft contact lens acrylic ester hydrogel in said modifying compound for a time period of from 5 minutes to 3 hours, and finally recovering from said modifying compound, a polymer hydrogel having a major portion of polymer molecules at least on the outer surfaces thereof structurally modified by incorporating therein the modifying compound through its functional groups.

CLASS 129Q.

146594.

Int. Cl.-B23k 19/00.

## A DEVICE FOR WELDING AND CONNECTING PIPES TO PRESSURE CONVEYING ELEMENTS, SUCH AS PIPE PLATES, PRESSURE CONTAINING OR COLLECTORS.

*Applicant* : L. & C. STEINMULIER GMBH, D-527 GUMMERSBACH 1, FABRIKSSTRASSE 1, GERMAN FEDERAL REPUBLIC.

*Inventors* : HANS KLEIN, HILDE KLIPEL, EUGEN KUHL, KURT CLEMENTS, HANS BRUNINGHAUS AND KURT WOLLENWEBER.

Application No. 1306/Cal/78 filed December 7, 1978.

Division of application No. 676/Cal/76 filed April 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A device for through-welding a pipe with outer lip to a pressure conveying element, having a passage there-through with radially inwardly extending lip having an inner diameter

slightly greater than the outer diameter of said outer lip of the pipe which includes : an insert in the form of a centering bush insertable into the pipe to be welded to the pressure conveying element, a guiding element rotatably and pivotally mounted in said insert means, and a chucking device adjustably mounted on said guiding element for chucking a welding torch.

CLASS 157B.

146595.

Int. Cl.-B61f 13/00.

## AUTOMATIC ANTI-DERAILMENT MECHANISM.

*Applicant & Inventor* : JOSE GEORGE MALIAKAL, C/O. DR. (MRS.) ROSIE, GEORGE MALIAKAL, BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI (RAJ), INDIA AND DR. (MRS.) ROSIE GEORGE MALIAKAL, ASSISTANT PROFESSOR, BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI, RAJASTHAN STATE, INDIA.

Application No. 464/Del/77 filed December 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims

An automatic anti-derailment mechanism for railway carriage comprising a limit switch LS, a hinged anchor-hook HAH and an electromechanical hook-releasing arrangement SP; and the said limit switch LS having a contact point C2 which is mechanically linked with the wheel-block WB of the carriage and is situated between two other similar contact points C1 and C3 which are electrically joined together and mechanically fixed to the chassis CHS of the carriage so that the limit switch LS is made ON either when the contact point C2 is moved up or when it is moved down beyond set limits, which happens due to abnormal variation of the distance between the chassis CHS and the wheel-block WB of the carriage, and the said anchor-hook HAH being hinged to the lower part of a strongest bar BH attached vertically to the lower part of the chassis CHS and positioned above the rail RL on which the wheels W of the carriage move, and the hinged anchor-hook HAH being normally held in an up position against the tension of a spring HS by a small steel pin STP that checks the hinge-movement of the said hook HAH, and, when engages with the lateral groove of the rail RL; and the said hook-releasing arrangement SP situated on the said steel bar HB having a solenoid-plunger, the plunger PL being joined with the said small steel pin STP which holds up the anchor-hook HAH, and the solenoid WI being connected electrically in series with the limit switch LS and the battery BA of the electrical system of the railway carriage, so that when the limit switch is ON, the solenoid WI is activated and the plunger PL moves with the steel pin STP and thereby releases the anchor-hook HAH.

CLASS 132C.

146597.

Int. Cl.-B01f 7/00.

## A VARIABLE SPEED LABORATORY STIRRER.

*Applicant* : HONEST ENGINEERING CORPORATION, 1ST POKHRAN ROAD, POONAWALA ESTATE, THANE 6, MAHARASHTRA, INDIA.

*Inventors* : AVITTATHUR KUTTAN APPUKUTTAN AND KRISHNAN GOPI.

Application No. 399/Bom/76 filed November 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims

A variable speed laboratory stirrer having mechanically adjustable and variable speed control comprising a sliding pulley (8) mounted on the shaft (10) having one pulley (7 & 9) on its either side, these pulleys being mechanically connected to the driving pulley (3) and driven pulley (26) through V belts (28 & 29) and, in turn, finally to the output shaft through the helical gears (17) wherein the said shaft (10) is capable of lateral movement by the sliding base (15).

resulting in the variation of contact diameters of the said pulley mounted on the shaft (10) which is mechanically transmitted to the output shaft holding the collect chuck.

CLASS 79.

146598

Int. Cl.-B42F 9/00.

**A DEVICE FOR PUNCHING AND FILLING PAPERS IN A FILE FOLDER.**

*Applicant* : JACOB VARUGHESE, OF 75 LAXMI BUILDING, SIR PHIROZSHAH MEHTA ROAD, FORT, BOMBAY-400 001, MAHARASHTRA, INDIA.

Application No. 410/Bom/76 filed November 24, 1976.

Addition to No. 676/72.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

**4 Claims**

A device for punching and filling papers as claimed in any one of the claims 1 to 12 of Indian Patent specification No. 135508, wherein at least one extension wire is secured at its one end to the inside face of the upper cover and opposite said pin provided on the base plate, so as to lie flat against said upper cover when in a rest position, said extension wire being flexible so that its free end remote from said one end thereof can be moved to an operative position in which position it engages the free end of said pin and forms a loop along which papers filed in the file folder can be shifted without disengaging from the file folder.

CLASS 70C4.

146599.

Int. Cl.-C23b 5/00.

**AN IMPROVED ACIDIC ZINC ELECTROPLATING BATH FOR BRIGHT OR GLOSSY ZINC ELECTRO-DEPOSITION AND A PROCESS THEREFOR.**

*Applicant* : CANNING MITRA PHOENIX LIMITED, EUCHARISTIC CONGRESS BUILDING III, 5 CONVENT STREET, CITY OF BOMBAY, STATE OF MAHARASHTRA, INDIA.

*Inventors* : ANANT NARAYANA KOTIBHASKAR, SHARAD VASUDEO KULKARNI, ARVIND DATTATRAY SARPOOTDAR AND DILIP TRIMBAK THAKUR.

Application No. 420/Bom/76 filed December 1, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

**13 Claims. No drawings**

An acidic zinc electroplating bath for bright or glossy zinc electrodeposition, characterised in that it contains an aqueous solution of at least a single zinc salt, such as herein described, together with N-polyvinyl pyrrolidone (PVP) and one or more of carbonyl compounds, especially aldehydes and/or ketones or their derivatives, such as herein described.

CLASS 93 &amp; 130-L.

146600

Int. Cl.-C22b 11/00, B22f 9/00.

**A PROCESS FOR PREPARING SILVER METAL POWDER OF HIGH PURITY.**

*Applicant & Inventor* : RAMALINGAM GUNASEKARAN, BLOCK 28, 5TH FLOOR, 383 A, S.V.P. ROAD, BOMBAY-4, MAHARASHTRA STATE, INDIA

Application No. 5/Bom/77 filed January 5, 1977.

Complete specification left December 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

**2 Claims. No drawings**

A process for preparing silver metal powder of high purity characterised in that the silver precipitate obtained by treating

a silver nitrate solution with anodic metal is further treated with another silver nitrate solution.

CLASS 143E, &amp; F, &amp; F.

146601

Int. Cl.-D21c 11/00.

**IMPROVED METHOD AND SYSTEM FOR THE RECOVERY OF CHEMICALS AND HEAT FROM ALKALINE PULPING LIQUORS.**

*Applicant* : GWALIOR RAYON SILK MFG. (WVG) CO. LTD, BIRLAGRAM, NAGDA, PIN 456 331, MADHYA PRADESH, INDIA.

*Inventor* : KOVOOR JYPE PHILIP.

Application No. 26/Bom/77 filed January 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

**13 Claims**

A closed circuit method for the recovery of white liquor from alkaline black pulping liquors and heat value from flue gases which comprises subjecting the alkaline black pulping liquors above 50° Tw to a heating/roasting operation in contact with hot flue gases coming from a smelting operation to obtain a viscous mass preferably in the form of pellets, subjecting the viscous mass to a smelting operation in the presence of combustion air to obtain a smelt followed by dissolving the smelt to produce the so called "green liquor" and thereafter converting the "green liquor" to "white liquor" in the usual manner, the residual said flue gases after contact with the alkaline black pulping liquor being further subjected to scrubbing with black liquor thereby to preheat the same.

CLASS 195B &amp; D.

146602.

Int. Cl.-F16K 35/00.

**A VALVE FOR FLUID FLOW OR DISCHARGE SYSTEM.**

*Applicant* : KIRLOSKAR BROTHERS LIMITED, AT UDYOG BHAVAN, TILAK ROAD, PUNE-411 002, STATE OF MAHARASHTRA, INDIA.

*Inventor* : SATHYANARAYANA KRISHNAPPA AND VISHWAS VINAYAK CHITALE

Application No. 71/Bom/77 filed February 22, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

**4 Claims**

A valve for fluid flow or discharge system involving one or more syphonic sectors, comprising a windowed vertical valve-chamber having a spring-controlled guide at the top of a vertical shaft, the shaft carrying at a predetermined point down along its length a ring-valve and further carrying at its terminal at right angles to it a frame transverse to the direction of the fluid flow, the frame holding a longitudinal paddle of uniform cross-section of the shape of an aerofoil profile, the ring-valve fitting air-tight in the valve seat in the bottom of the valve-chamber by virtue of the lift provided by the hydrodynamic fluid pressure on the paddle.

CLASS 53 &amp; F.

146603.

Int. Cl.-B62k 15/00.

**A FOLDING AND PORTABLE BICYCLE WITH AN UNIQUE LOCOMOTIVE SYSTEM.**

*Applicant & Inventor* : DR. SHANTILAL KESHAVLAL SANGHANI, C/O PUSHPABEN M. DOSHI, BLOCK NO. 207, VEENA VIHAR, SION FLANK ROAD, BOMBAY-22, MAHARASHTRA, INDIA.

Application No. 77/Bom/77 filed March 1, 1977.

Complete Specification left April 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 4 Claims

A cycle made folding by making the steering rod collapsible and portable by making it on a miniature scale and with light metal, with no sitting arrangement.

CLASS 175H.

146604.

Int. Cl.-F02f 3/00.

## AN IMPROVED PISTON OF A DIRECT INJECTION DIESEL ENGINE.

*Applicant* : KIRLOSKAR OIL ENGINES LIMITED, LAXMANRAO KIRLOSKAR ROAD, PUNE-411 003, MAHARASHTRA, INDIA.

*Inventor* : NIDADAVOLU NARA NARAYAN RAO.

Application No. 49/Bom/78 filed February 22, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 4 Claims

An improved piston of a direct injection diesel engine, said piston having in the crown thereof a cavity adapted for receiving a plurality of fuel sprays, characterised in that a plurality of slots equal in number to the number of fuel sprays are provided circumferentially along the rim of said cavity in order to prevent the tips of the sprays from reaching the wall of the cavity when the piston is mounted in the said diesel engine.

CLASS 32D.

146605.

Int. Cl.-C07f 1/00.

## PROCESS FOR PRODUCING MONO OR DI-N-PHOSPHONOMETHYLGlycINE SALTS.

*Applicant* : MONSANTO COMPANY, OF 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63166, UNITED STATES OF AMERICA.

*Inventor* : JOHN EDWARD FRANZ.

Application No. 1749/Cal/77 filed December 19, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims

Process for preparing a mono or di salt of N-phosphono-methylglycine wherein the salt-forming cation is selected from the group consisting of cations of alkali metals, alkaline earth metals, ammonium and organic ammonium prepared from organic amines having molecular weight below 300 provided that when the organic group is aryl, the ammonium salt is a primary amine salt, which comprises contacting an aqueous solution of a corresponding mono or di salt of N-phosphono-methyliminodiacetic acid with molecular oxygen-containing gas such as herein defined in the presence of an oxidation catalyst which is platinum on activated carbon or on alumina.

CLASS 90C &amp; 136E &amp; 155D.

146606.

Int. Cl.-B29d 7/08, B32b 27/06, 27/40.

## PRE-FORMED POLYMERIC SHEET FOR USE IN PREPARING A GLAZING LAMINATE.

*Applicant* : SAINT-GOBAIN INDUSTRIES, OF 62 BOULEVARD VICTOR HUGO, 92209 NEUILLY SUR SEINE, FRANCE.

*Inventors* : HEINRICH AGETHEN, PAUL GESENHUES, HELMER RAEDISCH, OTTO JANDELEIT AND WOLFGANG SCHAEFER.

Application No. 983/Cal/77 filed June 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A pre-formed polymeric sheet for use in preparing a glazing laminate such as hereinbefore described, one surface of

said sheet comprising a thermoplastic polyurethane resin capable of adhering to a ply of said laminate and the other surface of said sheet comprising a thermoset polyurethane resin which imparts antilacerative and self-healing properties to said laminate.

CLASS 32F, a &amp; 55E.

146607.

Int. Cl.-C07c 103/19, C07d 39, 06.

## METHOD OF PREPARING AN ANTIARRHYTHMIC QUINUCLIDINE CARBOXYLIC ACID XYLIDIDE.

*Applicant* : MUNDIPHARMA AG, OF ST. ALBAN-VORSTADT 94, POSTFACH, CH-4006, BASEL, SWITZERLAND.

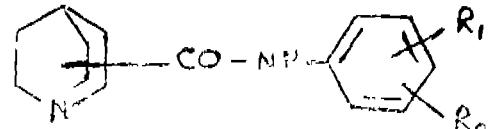
*Inventors* : EDNA OPPENHEIMER, FLIEZER KAPLINSKY AND SASSON COHEN.

Application No. 1734/Cal/77 filed December 15, 1977.

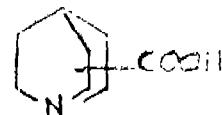
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

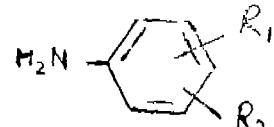
Method of producing a compound of the formula I.



wherein R<sub>1</sub> and R<sub>2</sub> are selected from the group consisting of hydrogen, halogen and loweralkyl, which comprises reacting a quinuclidine carboxylic acid of the formula III.



in anhydrous chloroform and in the presence of oxalyl chloride with an aniline of the formula IV.



wherein R<sub>1</sub> and R<sub>2</sub> have the same definitions as above; and recovering the thus formed aniline derivative of the said quinuclidine carboxylic acid.

CLASS 129G.

146608.

Int. Cl.-A62c 3/12.

## IMPROVED EXPLOSION SUPPRESSIVE FILLER MASSES AND AN IMPROVED METHOD OF FORMING THE SAME.

*Applicant* : EXPLOSAFE S.A., OF 11 RUE D' ITALIA, 1211 GENEVA 3, SWITZERLAND.

*Inventor* : ANDREW SZEGO.

Application No. 1781/Cal/77 filed December 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

An improved method of forming a filler mass for use as an explosion-suppressive filling in containers for fuels and other explosive fluids, by arranging successive layers of expanded metal into a multiple layer mass the improvement comprising

ing arranging said successive layers in such fashion that the inclining mesh strands in each layer are directed oppositely to the mesh strands in the adjacent layers.

CLASS 40B &amp; 84A.

146609.

Int. Cl.-B01j 11/32.

## HYDROCARBON REFORMING CATALYST AND METHOD OF PREPARING SAME.

Applicant : CATALYSTS AND CHEMICALS INC., OF 1227 SO. 12TH ST. LFT. P.O. BOX 86, LOUISVILLE KENTUCKY 40201, U.S.A.

Inventors : KENTON ATWOOD, AND JAMES H. WRIGHT.

Application No. 58/Del/77 filed March 26, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 10 Claims

A hydrocarbon reforming catalyst comprising a monolithic skeletal refractory support having a gas passage extending axially therethrough from one end to the other and a multiplicity of superficial accessible macropores in communication with said gas passage, a catalytically active amount of an oxide of a group VIII metal deposited therein, said catalyst having a relative Activity Coefficient Factor (ACFR) and a Relative Pressure Factor (PFR) compared to a standard ring, said ACFR being in excess of 1.15 and the ratio of said ACFR to said PFR being in excess of 1.25 : 1, the height (H) of said support bearing a relationship to the internal diameter of said gas passage (ID), the ratio of H : ID being less than 4 : 1.

CLASS 170B &amp; 189.

146610.

Int. Cl.-A61k 7/08.

## HAIR CONDITIONING SHAMPOO.

Applicant : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION, BOMBAY 400020, MAHARASHTRA, INDIA.

Inventors : KEITH HOFMAN, BRAIN ALEXANDER SCOTT AND RUDOLF VOGL.

Application No. 195/Bom/77 filed June 17, 1977.

Convention date June 21, 1976/(25597/76) U.K.

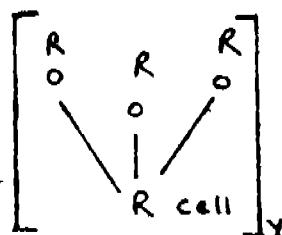
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 6 Claims. No drawings

A hair conditioning shampoo comprising an aqueous solution of

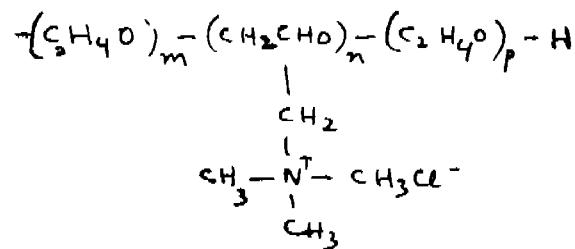
A. 5% to 25% by weight of an alkyl ether sulphate detergent;

B. 0.2% to 0.8% by weight of a cationic cellulosic resin having the general formula :



wherein R cell represents the residue of an α-D-mannose unit, Y is an integer of from 50 to 20,000 and wherein each

R individually represents a substituent group of the following general formula :



where m is a whole number of from 0 to 10, n is a whole number of from 0 to 3, and p is a whole number of from 0 to 10; and

C. an added amount S% by weight of a simple salt such that  $\frac{S}{\text{MW}} \times N$  is from 0.03 to 0.21 where MW is the molecular weight of the salt and N is the number of ions produced per molecule of the salt in aqueous solution.

## PATENTS SEALED

141906 143088 143453 143562 143563 143679 143702 143710  
 143716 143983 143991 143995 143999 144004 144008 144016  
 144047 144088 144100 144205 144214 144292 144420 144456  
 144521 144523 144526 144533 144536 144563 144564 144575  
 144576 144577 144578 144594 144595 144598 144600 144603  
 144604 144619 144620 144670 144676 144684 144686 144687  
 144693 144694 144705 144707 144727 144737 144745 144754  
 144761 144771 144772 144779 144787 144789 144792 144793  
 144802 144804 144819 144823 144830 144845 144855 144860  
 144863 144872 144873 144885 144887 144891 144892 144900  
 144902 144906 144909 144951 144992 145114 145115 145120  
 145121 145124 145125 145145 145146 145171 145180 145181  
 145182 145742.

## CLAIMS UNDER SECTION 20(1) OF PATENTS ACT, 1970

(1)

The claim made by Cummins Engine Company, Inc., under Section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 142125 in their name has been allowed.

## CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

(2)

The title in the application, specification and also opening description of the specification of application for a patent No. 141525 (earlier numbered as 346/Cal/75) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 19th March, 1977 has been corrected to read as "Method and apparatus for die casting high melting point metals and an article with an anchor means obtained by such method", under section 78(3) of the Patents Act, 1970.

(3)

The title of the invention in the application and specification as well as opening description of the specification of application for patent No. 141609 (earlier numbered as 2540/Cal/74) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 26th March, 1977 has been corrected to read as "Document transport device and its documents transport incorporating the same" under section 78(3) of the Patents Act, 1970.

(4)

The title of the invention in the application and specification as well as opening description of the specification of application for patent No. 141631 (earlier numbered as 413/Cal/74) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 2nd April, 1977 has been corrected to read as "Operating mechanism for slidable gates of bottom pour vessel and a bottom-pour vessel", under section 78(3) of the Patents Act, 1970.

(5)

The title of the invention in the application and specification as well as opening description of the specification of application for patent No. 143227 (earlier numbered as 2731/Cal/74) the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 22nd October, 1977 has been corrected to read as "Apparatus for displaying an image teletransmitted in the form of electric or electromagnetic signals" under section 78(3) of the Patents Act, 1970.

(6)

The title of the invention in the application and specification as well as opening description of the specification of application for patent No. 143249 (earlier numbered as 1799/Cal/76) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 4th February, 1978 has been corrected to read as "Manually operable nipple and nut combination adapted to ensure a leak proof seal between the nipple and a valve of a medical gas cylinder" under section 78(3) of the Patents Act, 1970.

(7)

The title of the invention in the application and specification as well as the opening description of the specification of patent application No. 143509 (earlier numbered as 2294/Cal/76), the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 10th December, 1977 has been corrected to read as "A method of manufacturing metallic strip and metallic strip so manufactured", under section 78(3) of the Patents Act, 1970.

(8)

The title in the application, specification and also opening description of the specification of application for patent No. 143523 (earlier numbered as 1218/Cal/74) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 17th December, 1977 has been corrected to read as "A process for the preparation of unsaturated nitriles" under section 78(3) of the Patents Act, 1970.

**PATENTS DEEMED TO BE ENDORSED  
WITH THE WORDS LICENCE OF RIGHT**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

**No. and Title of the invention**

- 125531 (2-3-70) Catalyst precursor method of making same and process of methanol synthesis employing catalyst made by reducing the catalyst precursor.
- 136375 (1-12-72) Process for refining low phosphorous pig iron to make steel.
- 136567 (21-6-72) Process for the preparation of sulphosuccinic acid semiesters.
- 136833 (2-11-72) Process for preparation of sulfuric esters of 1-aminobenzene-4-(β-hydroxy-ethyl sulfone)-2-sulfonic acid.
- 136927 (4-9-71) An improved process for preparing oxivane compounds by epoxidizing olefin.
- 137000 (14-8-72) Steel conversion method and apparatus.

- 137013 (9-3-73) Pyrometallurgical process of treating solids.
- 137171 (1-6-72) Process for preparing an aluminium alloy conductor.
- 137208 (11-10-72) Process for preparation of benzothiazole compounds.
- 137221 (11-7-73) Process for preparing pyrimidine derivatives.
- 137231 (9-1-73) Preparation of 2-alkoxy-5-alkylsulfonyl benzoic acids.
- 137239 (14-8-72) Method for extraction of lysergol from the plants of the ipomoea genus.
- 137240 (30-8-73) Process for preparing benzodioxole compounds.
- 137377 (5-12-72) Method and apparatus for the refining of steel.
- 137443 (11-10-72) Method and apparatus for reducing particulate metal ores to sponge iron.
- 137506 (21-3-73) Method for recovering fluorine component from waste gases from furnaces for electrolytic production of aluminium.

**RENEWAL FEES PAID**

- 92245 93425 93967 94177 94262 94740 94919 95393 95933
- 96156 96157 96534 99152 99209 99210 99588 99591 99655
- 99656 99657 99917 100330 101696 102672 102738 105383
- 105384 105385 105659 105732 105780 105863 105941 106024
- 106026 106057 106073 106174 106176 106349 106414 106417
- 106501 106654 106656 107194 109164 110471 110514 110516
- 110701 110834 110835 110852 110854 110856 111373 111458
- 111481 111573 111596 111612 111636 111989 112174 113795
- 114877 115547 115716 115788 115789 115838 115840 115841
- 116127 116150 116346 116420 116814 116931 116944 116947
- 117057 117474 121151 121303 121867 121938 122228 122257
- 122306 122424 122501 122562 122563 122565 123009 123050
- 123631 125291 125653 126178 126325 126327 126391 126439
- 126552 126640 126664 126709 126716 126871 126901 126916
- 126917 126918 126919 126920 126921 126922 127166 127289
- 127297 127399 127450 127512 127513 127548 127549 127578
- 127956 128226 129180 129739 129905 130898 131472 131473
- 131607 131672 131685 131733 131765 131844 131874 131875
- 131876 131900 131943 131946 132033 132040 132067 132089
- 132118 132218 132222 132243 132244 132408 132410 132411
- 132486 132576 132620 133209 133279 133293 134978 135302
- 135444 135445 135532 135586 135863 135899 135904 135905
- 135973 136049 136099 136164 136215 136251 136252 126253
- 136301 136351 136457 136487 136543 136565 136656 136722
- 136745 136746 136797 136834 136955 136992 137011 137058
- 137344 137349 137366 137396 137486 137623 137624 137629
- 137631 138099 138155 138228 138277 138312 138353 138373
- 138736 139041 139341 139531 139620 139628 139649 139799
- 139862 139884 139907 139908 139917 139949 140006 140034
- 140076 140132 140163 140173 140248 140271 140289 140330
- 140400 140405 140419 140436 140566 140567 140632 140649
- 140650 140670 140691 140692 140722 140993 141033 141091
- 141119 141120 141122 141125 141199 141308 141356 141361
- 141371 141491 141557 141624 141666 141792 141825 141831
- 141836 141900 141911 141993 142046 142048 142062 142105
- 142121 142149 142150 142151 142230 142231 142232 142250
- 142273 142288 142324 142343 142449 142466 142529 142534

142549 142590 142619 142636 142647 142738 142742 142824  
 142845 142846 142854 142856 142871 142875 142880 142883  
 142888 142897 142898 142937 143064 143160 143182 143267  
 143306 143338 143377 143404 143659 143675 143683 143684  
 143685 143687 143688 143689 143690 143692 143695 143696  
 143706 143707 143715 143717 143724 143739 143743 143745  
 143757 143759 143765 143775 143806 143837 143906 143966  
 144011 144014 144029 144091 145295 145296 145381.

#### CESSATION OF PATENTS

129492 129496 129516 129521 129556 129557 129571 129574  
 129576 129580 129598 129601 129602 129611 129623 129629  
 129632 129656 129657 129663 129673 129676 129696 129703  
 129708 129720 129730 129753 129754 129772 129805 129810  
 129813 129817 129824 129832 129847 129869 129878 129879  
 129883 129913 129922 129933 129938 129964 129966 129975  
 129991 130000 130016 130024 130025 130803 139858 141466  
 142212.

#### RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 94383 granted to Caristrap International Ltd. for an invention relating to "improvements in or relating to buckets".

The Patent ceased on the 23rd June 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 24th April 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 21st September 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act 1970 for the restoration of Patent No. 110264 granted to Mastabar Mining Equipment Company Limited for an invention relating to "improved rotary fluid flow control valve assembly".

The Patent ceased on the 18th April 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 16th September 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 21st September 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act 1970 for the restoration of Patent No. 110337 granted to Mastabar Mining Equipment Company Limited for an invention relating to "improvements in or relating to mine roof supports".

The Patent ceased on the 24th April 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 16th September 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 21st September 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his

case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application for restoration of Patent No. 140183 dated the 5th April 1974 made by Khadi and Village Industries Commission on the 13th March 1978 and notified in the Gazette of India, Part III, Section 2 dated the 17th June 1978 has been allowed and the said patent restored.

(5)

Notice is hereby given that an application for restoration of Patent No. 141084 dated the 12th February 1975 made by Tirupattur Damadara Rao on the 25th April 1978 and notified in the Gazette of India, Part III, Section 2 dated the 8th July 1978 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 147403, Royal Toys Company, 63B, Bombay Talkies Compound, Malad, City of Bombay, State of Maharashtra, India, an Indian Partnership Firm "Toy vehicles" August 5, 1978.

Class 1. No. 147485, David Sushil Pillai, of L-18, Rojous Garden, New Delhi-110027, India, an Indian National. "A device for destroying insects and pests made of metal". August 25, 1978.

Class 1. No. 147519, Vijay Steel & Metal Works, 98 Kamla Market New Delhi, an Indian Proprietorship concern. "Room cooler grill". September 2, 1978.

Class 1. No. 147522, Nelson Type Foundry Private Limited, 34, Sami Pillai Street, Choolai, Madras-600 007 Tamil Nadu, Indian Private Limited Company. "Telugu Type founts". September 2, 1978.

Class 1. No. 147524, Akash Advertisers, 8938, Shidipura New Delhi-110005, "Paper weight". September 2, 1978.

Class 1. No. 147534, Racold Appliances Pvt. Ltd., an Indian Company of "Vandhna", 12th Floor, 11 Tolstoy Marg, New Delhi-110001, India. "A vacuum release valve". September 8, 1978.

Class 1. No. 147540, Star Electricals, a registered partnership firm, 226, Maulana Azad Road, Nagri Building, Madanpura, Bombay-400 008, Maharashtra State, India. "Immersion water heaters". September 11, 1978.

Class 1. No. 147557, Veer Industries (India) Bagpat Road, Meerut, (An Indian partnership concern. "Stove". September 16, 1978.

Class 1. No. 147562, Jatinder Kumar, S/o Shri Kali Saran Indian National Prop. J. K. Radio Industries (Regd.) BXXI/663, Pajap Nagar, Industrial Area 'B' Ludhiana-3, Punjab. "Automatic voltage regulator". September 18, 1978.

Class 1. No. 147569, Unident India, 77/5621, Regharpura, Karolbagh, New Delhi-110005, Union Territory of India, India a proprietorship concern. "Syringe". September 21, 1978.

Class 1. No. 147572, Mrs. Maya Bose, of 106/1, Kali Kundu Lane, Howrah-711101, State of West Bengal, India, an Indian National. "Light fitting". September 22, 1978.

Class 1. No. 147604, New Life Lock Works, Mohd. Ali Road, Aligarh-202001, Uttar Pradesh, India, An Indian Partnership Firm. "Lock". September 26, 1978.

Class 1. No. 147623. N. V. Philips' Gloeilampenfabrieken, a limited liability Company organized and established under the laws of the Kingdom of the Netherlands, at Emmasingel, Eindhoven, Netherlands. "A shaving cutter". April 11, 1978. (U.K.).

Class 1. No. 147646. Pandit Rupla Patil, an Indian Citizen 38/39, Hadapsar Industrial Estate, Pune-411013, Maharashtra, India. "Drill-cum-tapping machine". October 16, 1978.

Class 1. No. 147647. Pandit Rupla Patil, an Indian Citizen, 38/39, Hadapsar Industrial Estate, Pune-411013, Maharashtra, India. "Drilling-cum-tapping machine". October 16, 1978.

Class 1. No. 147652. Industrial Products Co. an Indian Regd. Partnership firm of Dada Manzil, Mohammed Ali Road, Bombay-400 003, Maharashtra, "Indicator". October 16, 1978.

Class 1. No. 147653. Industrial Products Co. an Indian Regd. Partnership firm of Dada Manzil, Mohammed Ali Road, Bombay-400 003, Maharashtra, "File with indicator". October 16, 1978.

Class 1. No. 147654. Super Exports, an Indian Sole Proprietor's firm, of 1317, Prasad Chambers, Near Roky Cinema, Bombay-400 004, Maharashtra. "Letter weighing scale". October 16, 1978.

Class 1. No. 147663. Omkar Nath Kaul, International Steel Combine, 226, New Okhala Industrial Complex, Phase-I, New Delhi-110020, a British National. "Automatic electric cooker". October 20, 1978.

Class 1. No. 147671. Medident India (P) Ltd., an Indian Company, of Devi Theatre Buildings, II Floor, Mount Road, Madras-600002, Tamil Nadu, India. "Adental compressor." October 21, 1978.

Class 1. Nos. 147675 to 147679. Shanti Electric Instruments, a registered partnership firm, at Plot A-54, Marol Industrial Area, M.I.D.C. Opp Marol Bus Depot, Andheri (East), Bombay-400 093. Maharashtra, India. "Insulation tester". October 23, 1978.

Class 1. Nos. 147682 to 147684. Keshavji Ravji & Company, trading as Venkateswara Stainless Steel & Wire Industries, 70 Mint Street, City of Madras, State of Tamil Nadu, India an Indian Partnership firm. "Drinking glasses". October 24, 1978.

Class 1. No. 147685. Keshavji Ravji & Company, trading as Venkateswara Stainless Steel & Wire Industries, 70, Mint Street, City of Madras, State of Tamil Nadu, India, an Indian Partnership Firm. "Mugs". October 24, 1978.

Class 1. No. 147686. Keshavji Ravji & Company, trading as Venkateswara Stainless Steel & Wire Industries, 70, Mint Street, City of Madras, State of Tamil Nadu, India, an Indian Partnership Firm. "Cookers". October 24, 1978.

Class 1. No. 147691. Electra Home, 371, Kucha Ghazi Ram, Chandni Chowk, Delhi-110006, a firm registered under the Partnership Act, 1932. "Electric water heater". October 30, 1978.

Class 1. No. 147692. Chaman Industries, Sadar Bazar, Badl Masjid, Delhi Cantt. 110010, a firm registered under the Partnership Act, 1932. "Door latch". October 30, 1978.

Class 3. No. 147405. Top in India Plastics, 6C Thacker Industrial Estate, 3rd Floor, Near Sitaram Mills, N. M. Joshi Marg, City of Bombay, State of Maharashtra, India, an Indian Proprietary firm. "Jugs". August 5, 1978.

Class 3. Nos. 147520 & 147521. Geep Flashlight Industries limited, of 28, South Road Allahabad, Uttar Pradesh, India, an Indian Company. "A torch". September 2, 1978.

Class 3. No. 147532. Alora Plastics Private Limited, Deonar, Govandi Station Road, Bombay-400088, Maharashtra State, India, a private limited company incorporated under the Indian Companies Act. "Toy-cum-coin box". September 8, 1978.

Class 3. No. 147537. Meghdoot Industries (India), 5, Community Centre, Lawrence Road, Industrial Area, Delhi-110035, a proprietorship firm. "Measuring foot rule". September 11, 1978.

Class 3. No. 147543. Elpro International Limited, A Company incorporated under the provisions of Indian Companies Act, of Chinchwad Gaon, Pune-411033, State of Maharashtra, India. "Rectifier base plate". September 12, 1978.

Class 3. No. 147549. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700 071, West Bengal, India. "Hand lantern". September 14, 1978.

Class 3. No. 147551. Pams Industries, of Unit No. 9, Ground Floor, 4-B, Shanti Nagar, Vakola, Santa-cruz East, Bombay-400 055, State of Maharashtra, India, a partnership firm registered under Indian Partnership Act. "Cap for container". September 14, 1978.

Class 3. No. 147552. Pams Industries, of Unit No. 9, Ground Floor, 4-B, Shanti Nagar, Vakola, Santa-cruz East, Bombay-400 055, State of Maharashtra, India, a partnership firm registered under Indian Partnership Act. "Container". September 14, 1978.

Class 3. No. 147555. Ceesham Traders, an Indian Partnership Firm, Seksaria Industrial Estate, 2nd Floor, Chincholi, Swami Vivekanand Road, Malad, Bombay-400 064, Maharashtra. "Musical telephone stand". September 16, 1978.

Class 3. No. 147556. M. S. Corporation, 53-54, Shreepal Service Industrial Estate, Chincholi, Swami Vivekanand Road, Malad (West), Bombay-400 064, Maharashtra, an Indian partnership firm. "Break light with signal light". September 16, 1978.

Class 3. No. 147561. Trescho Incorporation of 288/90, Nagdevi Street, 1st Floor, Room No. 12-A, Bombay-400 003, State of Maharashtra India, a partnership firm registered under the Indian Partnership Act. "Container". September 16, 1978.

Class 3. Nos. 147563 & 147564. Unique Enterprises, No. 13, First Floor, Swadeshi Market, Sadar Bazar, Delhi-6, an Indian partnership concern. "Seat". September 19, 1978.

Class 3. No. 147565. Unique Enterprises, No. 13, First Floor, Swadeshi Market, Sadar Bazar, Delhi-6, an Indian Partnership Concern. "Double seater tricycle". September 19, 1978.

Class 3. No. 147566. Unique Enterprises, No. 13, First Floor, Swadeshi Market, Sadar Bazar, Delhi-6, an Indian Partnership concern. "Tricycle". September 19, 1978.

Class 3. Nos. 147567 & 147568. Unique Enterprises, No. 13, First Floor, Swadeshi Market, Sadar Bazar, Delhi-6, an Indian partnership concern. "wheel". September 19, 1978.

Class 3. No. 147570. Tripathi Trading Company, New Market, 1st Floor, Bombay-400002, State of Maharashtra, India, an Indian Proprietary Concern. "Bottle". September 22, 1978.

Class 3. No. 147573. Monarch Enterprises, 51/3, New Market, New Rohtak Road, New Delhi-110005, an Indian Partnership concern. "Telephone". September 22, 1978.

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4. Shri A. K. Sinha, M/s Simsons & Co., Sastitala Road, Calcutta.

5. Shri M. A. Jose, M/s DePenning & DePenning, 16, Nepean Sea Road, "Alaknanda", Bombay-400036.
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7. Shri S. S. Ponkshe, M/s Bhate & Ponkshe, 1423 (New), Shukrawar Peth, Pune-411002.
8. Shri F. S. Groser, M/s Remfry & Son, Kanchenjunga, 18, Barakhamba Road, New Delhi-110001.
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Trade Marks

